



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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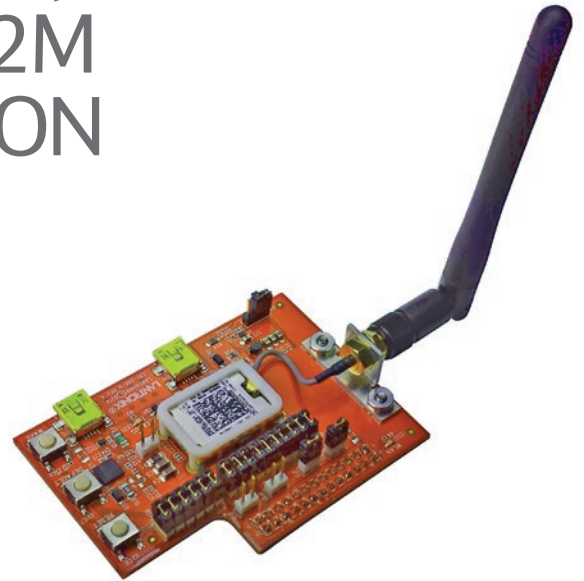
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FLEXIBLE, MOBILE-READY, WI-FI® SOLUTION FOR M2M AND IOT APPLICATIONS ON RASPBERRY PI®



Lantronix has now enabled easy integration of its xPico® Wi-Fi® embedded device server with the popular Raspberry Pi® single board computer – all in a simple, easy-to-use pluggable expansion board. Now developers can enjoy a robust and feature-rich Wi-Fi solution that enables mobile ready capabilities in a quick and easy manner.

Advanced Wi-Fi Features for Raspberry Pi

Lantronix xPico Wi-Fi Pi Plate for Raspberry Pi completely offloads Wi-Fi connectivity, with support for mobile ready advanced features such as simultaneous Soft Access Point (Soft AP) and Client mode, Wi-Fi connection management and QuickConnect.

Managing these features via a simple configuration interface enables developers to focus on their main applications for Raspberry Pi without worrying about wireless stacks and wireless connectivity management.

Combine xPico Wi-Fi & Raspberry Pi – Easily Wi-Fi Enable Your Design

The Lantronix xPico Wi-Fi Pi Plate augments and simplifies use and flexibility of the platform while providing the Raspberry Pi with a robust true 802.11 b/g/n solution that easily enables Wi-Fi access either as a client or as a Soft Access Point. With many other features the product's industrial-ready quality and ease-of-use allows engineers, students and hobbyists to rapidly mobile enable their platform while offloading the TCP/IP stack and networking applications like a web server to the xPico Wi-Fi.

With the integration of the Lantronix xPico Wi-Fi embedded device server with Raspberry Pi, enabling Wi-Fi connectivity is easier than ever. Prototyping with the Lantronix xPico Wi-Fi Pi Plate for Raspberry Pi is quick and simple, whether you're a technology hobbyist, design engineer, student, or professor.

xPico Wi-Fi Pi Plate Highlights:

- Compatible with Raspberry Pi® Computer Module
- Simple and easy to use interface
- xPico® Wi-Fi module with integrated software
 - Mobile-ready, with simultaneous client and software access point (AP) mode
 - Integrated connection manager
 - IEEE 802.11 b/g/n (2.4 GHz) compliant
 - Low power (6 µA Standby)
 - Full TCP/IP stack and Web Application Server
 - Multiple interface choices, including Serial Port (921 kbps), SPI with clock rate of 30MHz
- Extended temperature : -40° to +85° C
- 1-Year limited warranty

Features and Specifications

> Wireless LAN Interface

- IEEE 802.11 b/g and IEEE 802.11n (single stream) WLAN interface (2.4 GHz only)
- u.FL connector for external antenna

> Serial Interface

- A serial CMOS Port (3.3V, 5V tolerant)
- 300 to 921.6 Kbps
- Lantronix tunneling application

> SPI Interface

- 30 MHz clock

> Network Protocols

- TCP/IP, UDP/IP*, DHCP, ARP, ICMP, DHCP, Auto-IP, DNS

> Networking Capabilities

- Soft Access Point with DHCP Server
- Simultaneous Soft AP and Client modes
- QuickConnect: Dynamic Profiles facilitate easy and rapid connections to access points.
- WLAN Profiles: connect to multiple wireless networks

> Software Applications

- Lantronix Tunnel Application: Enables easy serial port data access over the TCP/IP Network
 - Transparent Tunneling mode
 - Modem Emulation mode
- SNTP Support: Presents current date and time to Arduino applications
- HTTP web services API: For remote configuration and control
- Web Enable Arduino application data via the point and click Explorer utility
- File System

> Management and Control

- Web Server - Landing Page
- CLI (Serial Monitor Port)
- XML Import and Export (XCR)
- Field upgradable firmware (OTA)

> Security

- IEEE 802.11i Support – WPA-Personal, WPA2-Personal
- 256-bit AES Encryption*

> Power

- Input Voltage: 3.3VDC
- Low power consumption of approximately 6µA standby

> Environmental

- Operating Temperature: -40° to +85° C
- Relative Humidity: 0% to 90% non-condensing

> Certifications

- FCC Class B, UL and EN EMC

> Warranty

- 1-Year Limited - xPico Pi Plate

*Available through future firmware update

Other members of the xPico product family:

xPico Wi-Fi for Freescale Tower Module System

xPico Wi-Fi Shield:

Full featured Wi-Fi device server module for robust and ease of use for the popular Arduino.

xPico

A chip-sized networking solution that enables Ethernet connectivity on virtually any device.

Ordering Information

United States

Call: 800.422.7055

Email: sales@lantronix.com

Buy Online: <http://www.lantronix.com>

NASDAQ: LTRX

Europe

Call: +31 (0) 76.52.3.6.74 4

Email: EMEA@lantronix.com

Asia/Pacific

Call: +852.3428.2338

Email: asiapacific_sales@lantronix.com

Japan

Call: +81.3.6277.8802

Email: japan_sales@lantronix.com

China

Call: +86.021.6237.8868

Email: Shanghai@lantronix.com

> Part Number

XPCW1001000RP-K

XPW1001000-01

XPW100100S-01

XPW100100K-01

XPC100A001

> Description

xPico Wi-Fi IEEE 802.11 b/g/n Device Server Pi Plate: w/ xPico Wi-Fi Module, RoHS, Raspberry Pi computer board not included

xPico Wi-Fi— IEEE 802.11 b/g/n Device Server Module, Extended Temp, Bulk, RoHS

xPico Wi-Fi— IEEE 802.11 b/g/n Device Server Module, Extended Temp, Sample, RoHS

xPico Wi-Fi— IEEE 802.11 b/g/n Device Server Evaluation Kit w/ xPico Wi-Fi Module, RoHS

xPico Module Mounting Quick Clip Bulk pack(50 pc) (Extra clip)